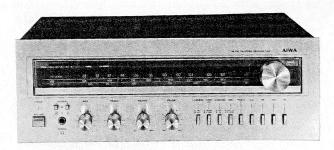
# LW/MW/FM STEREO RECEIVER

# NO. AX-7300E, K

# AIWA®

## (SERVICE MANUAL)

Code No. 06-730-000-18



DATE OF ISSUE 11/1979

87.6 ~ 108 MHz

(Mono)

55 dB (300 kHz)

65 dB (400 kHz)

40 dB (at 1 kHz)

300 ohms (balanced)

75 ohms (unbalanced)

68 dB (Stereo) 30 Hz ~ 15 kHz 0.4% (stereo), 0.25% (mono)

73 dB (Mono)

 $4 \mu V$  (Mono)  $44 \mu V$  (Stereo)

1.5 dB

60 dB

65 dB

80 dB

50 dB

10.7 MHz

#### SPECIFICATIONS

< General >

Semiconductors:

Power Supply:

Weight:

Power Consumption: **External Dimensions:** 

< Power Amplifier >

Circuit System: Power Output: According to DIN45 500: 20-20 kHz/THD 0.08%: Dynamic Power:

**Output Terminals:** SPEAKERS

**HEADPHONES** 

Damping Factor: < Preamplifier >

Input Terminals (Sensitivity/Impedance):
PHONO 2.5 mV/47 k ohms

PHONO 125 mV (rms) 150 mV/47 k ohms PHONO Max. Rated Input 150 mV/470 k ohms DIN (TAPE PLAY)

Output Terminals (Level/Impedance): DIN (TAPE REC OUT) 30 mV 30 mV/80 k ohms Frequency Response

(Input with respect to REC OUT jacks): PHONO (RIAA Curve) 30 Hz ~ 1 30 Hz ~ 15 kHz ±1 dB 20 Hz ~ 50 kHz

AUX, DIN (TAPE PLAY) Tone Controls:

BASS ±10 dB (100 Hz) 400 Hz turnover frequency TREBLE ±10 dB (10 kHz)

2.5 kHz turnover frequency

+8 dB (100 Hz), +4 dB (10 kHz)

8 IC's, 1 FET, 28 transistors,

420(W) x 153(H) x 345(D) mm

Complementary SEPP OCL

25W + 25W (4 ohms)

25W + 25W (4 ohms) 25W + 25W (8 ohms) 35W + 35W (4 ohms)

30W + 30W (8 ohms)

A or B 4  $\sim$  16 ohms A + B 8  $\sim$  16 ohms

30 (8 ohms)

8 ohms (4 ohms ~ 20 ohms)

17 diodes, 9 LED's AX-7300E

AC 220 V 50/60 Hz AX-7300K

AC 240 V 50/60 Hz

Loundness Response (with volume at -40 dB): SN Ratio

According to DIN 45 500 PHONO AUX, DIN (TAPE PLAY) 52 dB

PHONO AUX, DIN (TAPE PLAY) 90 dB < FM Tuner >

Receiving Frequency Range: 50 dB Quieting Sensitivity:

I Isable Sensitivity Capture Ratio (IHF): Effective Selectivity: DIN

IHF

SN Ratio: IHF Frequency Response:

Distortion: Separation: Image Ratio:

IF Rejection Ratio: Antenna Input Impedance:

Spurious Rejection: AM Suppression: IF Frequency:

< AM Tuner > Receiving Frequency Range:

Sensitivity (IHF):

Selectivity:

Distortion:

IF Rejection:

Image Ratio:

IF Frequency:

SN Ratio:

Built-in Antenna:

External Antenna Terminal:

MW 530  $\sim$  1,605 kHz LW 150  $\sim$  340 kHz MW 300  $\mu V/m$  (built-in bar

antenna) 30 µV (external antenna terminal)

1,000  $\mu$ V/m (built-in bar antenna) 50 μV (external antenna terminal)

30 dB 1% 35 dB Ferrite bar antenna Unbalanced MW 40 dB LW 50 dB 50 dB

The specifications and external appearance of this set are subject to change without prior notice.

#### DISASSEMBLY INSTRUCTIONS (AX-7300E, K)

#### 1. To Remove Cabinet

1) Remove 7 screws. (Refer to Figure 1)

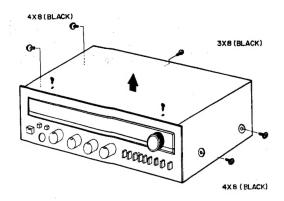


Fig. 1

#### 2. To Remove Front Panel

1) Remove 5 screws. (Refer to Figure 2)

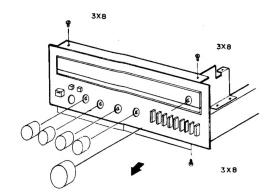


Fig. 2

#### 3. To Remove LED Circuit Board

Remove 5 screws.
 (Refer to Figure 3)

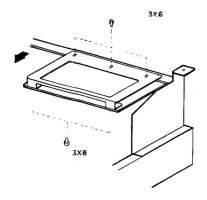


Fig. 3

#### 4. To Remove Fuse Circuit Board

1) Remove 4 screws. (Refer to Figure 4)

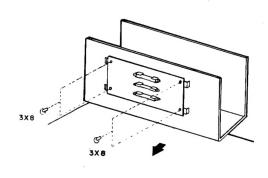


Fig. 4

#### 5. To Remove I.C.

- 1) Remove 2 screws.
- 2) Remove 1 Bracket. (Refer to Figure 6)

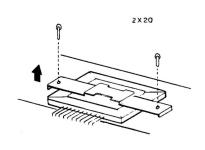


Fig. 5

#### 6. To Remove Bottom Cover

1) Remove 14 screws. (Refer to Figure 5)

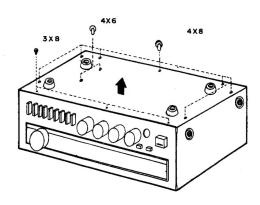


Fig. 6

#### 7. To Remove Switch-2 Circuit Board

Remove 2 screws.
 (Refer to Figure 7)

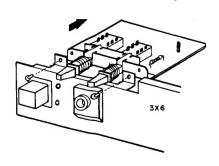


Fig. 7

#### 8. To Remove Function Switch

1) Remove 8 screws. (Refer to Figure 8)

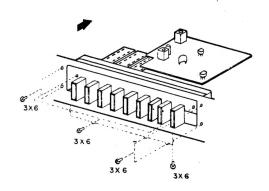
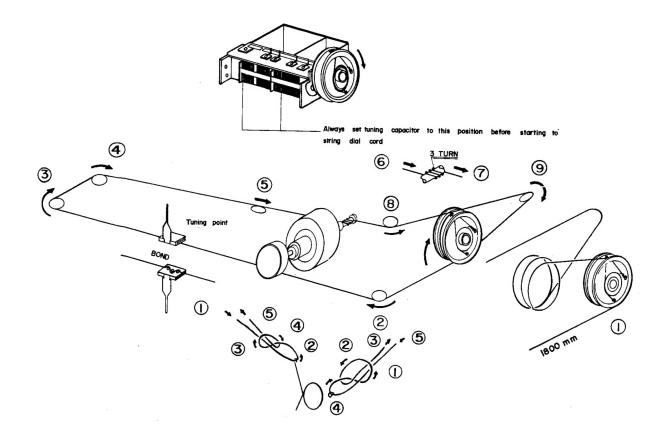
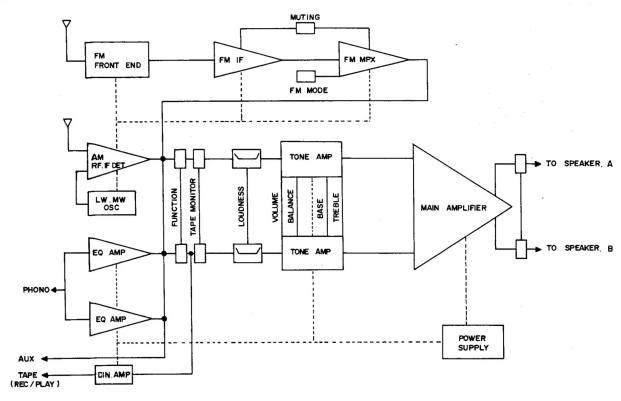


Fig. 8

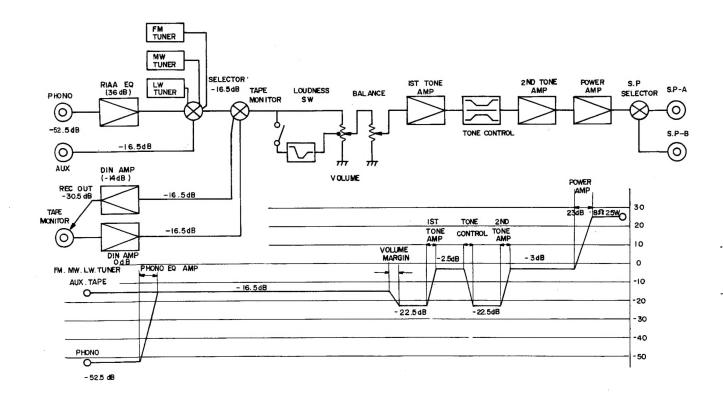
# DIAL CORD STRINGING



#### **BLOCK DIAGRAM**

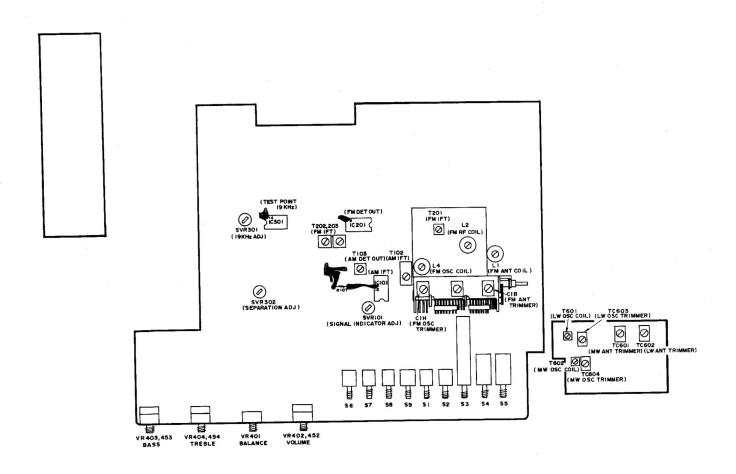


#### LEVEL DIAGRAM



#### ADJUSTMENTS

Location of Main Parts



#### 1. Instruments Required

#### Signal Source

- 1. RF Signal generator (AM, FM).
- 2. IF sweep generator (Centered 455kHz for AM and 10.7 MHz for FM).

#### **Output Indicator**

- 1. V.T.V.M.
- 2. Oscilloscope

#### **Regulator Adjusting Steps**

For band	For stages on each band
1. LW	1st: IF 2nd: RF frequency range 3rd: RF tracking
2. MW	1st: IF 2nd: RF frequency range 3rd: RF tracking
3. FM	1st: IF 2nd: RF frequency range 3rd: RF tracking

#### AM-IF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for	
•	Connect to		Connect to			Aujust for	
	AM IF sweep gen.		Oscilloscope				
1	Bar antenna	Sweep centered 455 kHz	AM det. output tab	Min. Freq.	T102 T103	Maximum	

#### LW-RF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust to
Otop	Connect to	, and the second	Connect to		7.0,000	Adjust to
	AM signal gen.		V.T.V.M.			
1	Loop antenna	LW 140 kHz (Modulated)	AM det. output tab	140 kHz (Low end)	T601 (OSC coil)	Maximum
2	Loop antenna	360 kHz (Modulated)	AM det. output tab	360 kHz (High end)	TC603 (OSC trim.)	Maximum
3	(Repeat steps 1	and 2 to obtain frequ	ency range.)			
4	Loop antenna	200 kHz (Modulated)	AM det. output tab	200 kHz	L101 (ANT coil)	Maximum
5	Loop antenna	320 kHz (Modulated)	AM det. output tab	320 kHz	TC602 (ANT trim.)	Maximum
6	(Repeat steps 4	and 5 to minimize tra	cking error, and	also step 3 if necessar	ry.)	

#### MW-RF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for	
Steb	Connect to	Jet signar to	Connect to	Set radio diai to	Aujust	Aujust for	
	AM signal gen.		V.T.V.M.				
1 -	Loop antenna	525 kHz (Modulated)	AM det. output tab	525 kHz (Low end)	T602 (OSC coil)	Maximum	
2	Loop antenna	1630 kHz (Modulated)	AM det. output tab	1630 kHz (High end)	TC604 (OSC trim.)	Maximum	
3	(Repeat steps 1	and 2 to obtain frequ	uency range.)				
4	Loop antenna	600 kHz (Modulated)	AM det. output tab	600 kHz	L101 (ANT coil)	Maximum	
5	Loop antenna	1400 kHz (Modulated)	AM det. output tab	1400 kHz	TC601 (ANT trim.)	Maximum	
6	(Repeat steps 4	and 5 to minimize tr	acking error, and	also step 3 if necessar	ry.)		

#### FM-IF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for	
Step	Connect to	Set signal to	Connect to	Set laulo diai to	Aujust	Aujust for	
	FM IF sweep gen.		Oscilloscope				
1	113 (FM IF input)	Sweep centered 10.7 MHz	FM det. output tab	Max. Freq.	T201 T202	Max. Symmetrical response, equal heights	
2	113 (FM IF input)	Sweep centered 10.7 MHz	FM det. output tab	Max. Freq.	T203	Symmetrical response, centered 10.7 MHz	
3	(Repeat 1 and 2 to c	btain a balanced "S	" curve linearity.	)			

#### FM-RF Alignment

Step	Signal source	Set signal to Alignment indicator		Set radio dial to	Adjust	Adjust for
Step	Connect to	oct signal to	connect to	oct rudio diar to	Aujust	Aujust 101
	FM signal gen.		V.T.V.M.			
1	Antenna terminal	87.5 MHz (Modulated)	FM det. out put tab	87.5 MHz (Low end)	L4 (OSC coil)	Maximum
2	Antenna terminal	108.7 MHz (108.0 MHz) (Modulated)	FM det. output tab	108.7 MHz (108.0 MHz) (High end)	C1H (OSC trim)	Maximum
3	(Repeat steps 1 and	2 to obtain frequer	ncy range.)			
4	Antenna terminal	90 MHz (Modulated)	FM det. output tab	90 MHz	L1 (ANT coil) L2 (RF coil)	Maximum
5	Antenna terminal	108 MHz (Modulated)	FM det. output tab	108 MHz	C1B (ANT trim.) C1DI(RF trim.)	Maximum
6	(Repeat steps 4 and	5, to minimize tra	cking error, and st	ep 3 if necessary.)		

): West Germany model

#### Separation Adjustment

Settings:

Function switch: FM
Mode switch: STEREO
Input signal: 98 MHz, 60 dB
Modulation: Pilot signal 10%
Composite singal 90%

Modulation frequency: I KHz Adjustment Location: SVR 302

Method:

Tune dial to 98 MHz and adjust SVR 302 for maximum

separation.

#### 19 KHz Adjustment

Settings:

Function switch: FM Mode switch: STEREO

Dial position: Detuned from station Adjustment location: SVR 301

Method:

Adjust SVR 301 for 19 KHz  $\pm$  30 Hz frequency at 19 kHz

test point.

#### • Signal Indicator Adjustment

Settings:

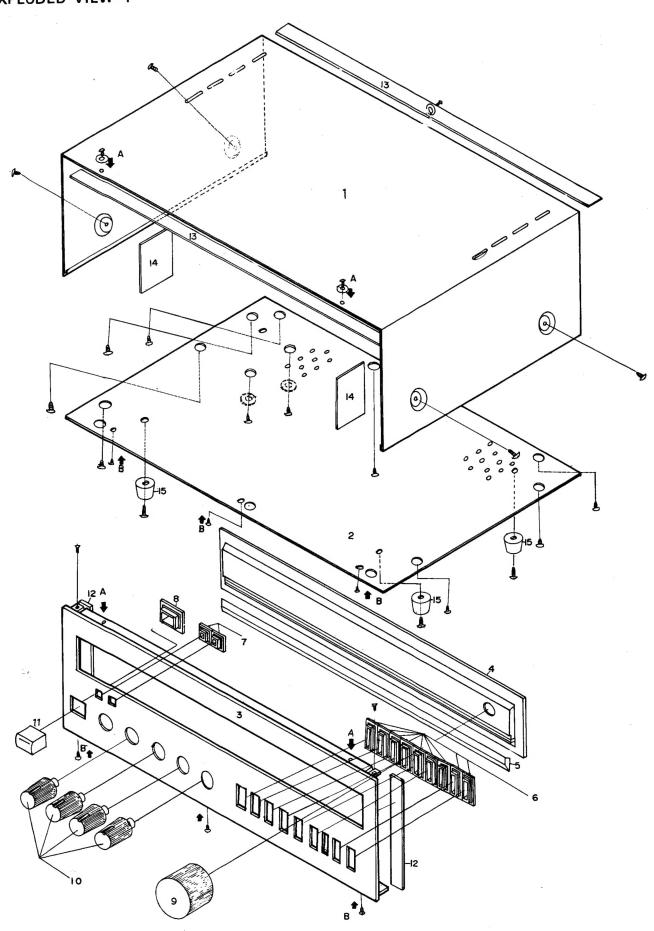
Function switch: FM

Adjustment location: SVR 101

Method:

Adjust SVR 101 for signal indicator LED light up.

### EXPLODED VIEW-1



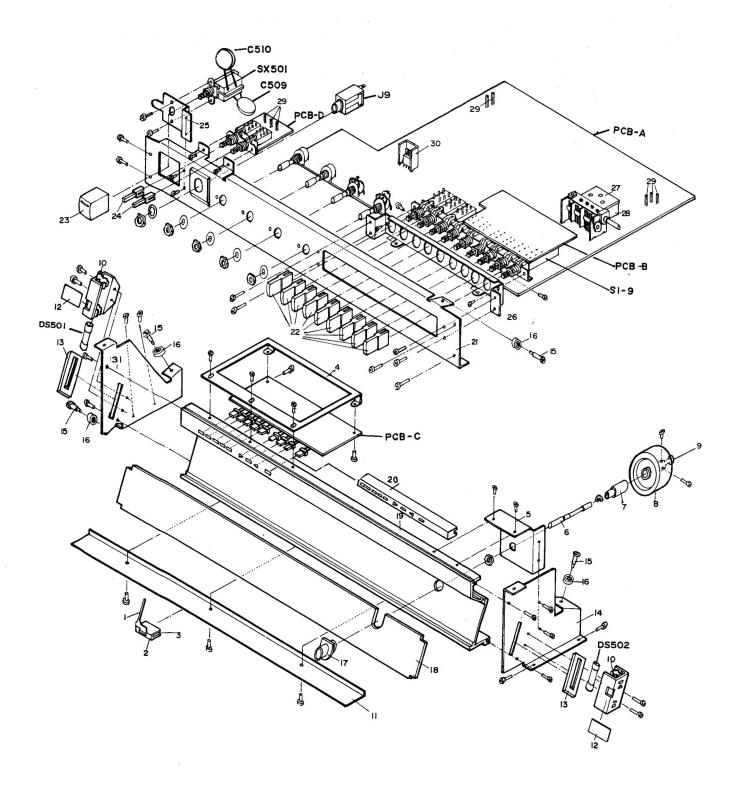
#### PARTS LIST

#### MECHANICAL PARTS

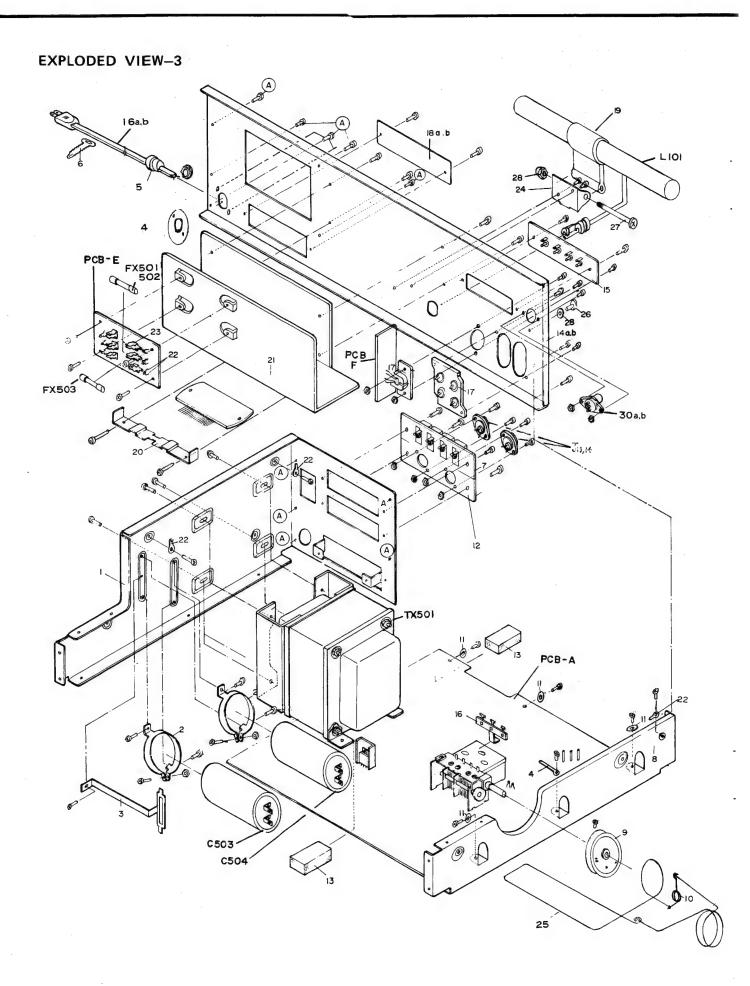
 \*mark in this part list shows exclusive part (which is used) for only Model AX-7300.

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
1-1	82-744-221-01		Cabinet	*	1	
1-2	82-744-218-01		Chassis, Bottom	*	1	
	82-744-229-01		Panel, Front	*	1	
1-3	82-744-207-01		Window, Dial	*	1	
1-4 1-5	82-744-217-01		Mask, Window	*	1	
1-6 1-7	82-743-208-01 82-743-206-01		Guide, Push knob "L" Guide, Push knob "S"	AX-7700 AX-7700	8 2	
1-8 1-9	82-318-014-01 82-744-206-01		Guide, Power knob Knob, Tuning	*	1	
1-10	82-744-003-01		Knob, Volume	*	4	
1-11 1-12	82-318-025-01 82-744-300-01		Knob, Power Spacer, Panel	*	2 2	
1-13 1-14 1-15	82-744-301-01 82-744-621-01 87-085-161-01		Spacer, Cabinet Spacer, Lamp Foot	*	2 4	

#### EXPLODED VIEW-2



Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
2-1	82-743-219-01		Tip pointer	AX-7700	1	
2-2	82-743-218-01		Cap pointer	AX-7700	1	
2-3	82-744-302-01		Spacer, Slider	*	1	
2-4	82-744-303-01		Bracket, LED circuit board	*	1	
2-5	82-744-304-01		Bracket, Tuning	•	1	
2-6	82-744-305-01		Shaft, Driving	*	1	
2-7	82-744-306-01		Bushing	*	1	
2-8	82-744-307-01		Flywheel	*	1 1	
2-9	82-744-308-01		Metal	*	1	
2-10	82-743-210-01		Holder, Lamp	AX-7700	2	
2-11	82-744-309-01		Bracket, Slider	*	1	
2-12	82-744-339-01		Spacer, Lamp	*	2	
2-13	82-744-226-01		Holder, Scale	*	2	
2-14	82-744-213-01		Bracket, Scale R	*	1	
2-15	82-744-310-01		Shaft, Guide B1	*	4	
2-16	82-744-201-01		Pulley A	*	4	
2-17	82-744-210-01		Mask, Tuning	*	1	
2-18	82-744-231-01		Scale, Dial	*	1	
2-19	82-744-212-01		Scale, Back	*	1	
2-20	82-743-209-01		Holder, LED	AX-7700	1	
2-21	82-744-211-01		Chassis, Front	*	1	
2-22	82-744-002-01		Knob, Push "L"	*	. 8	
2-23	82-318-025-01		Knob, Power	i	1	
2-24	82-744-001-01		Knob, Push "S"	*	2	
2-25	82-744-311-01		Bracket, Power switch	*	1	
2-26	82-744-312-01		Bracket, Push switch	*	1 1	
2-27	82-744-696-01		Shield cap	*	1	
2-28	82-744-697-01		Shield fence	*	1	
2-29	82-744-698-01		Pin	*	45	
2-30	82-744-699-01		Heat sink TR	*	1	
2-31	82-744-313-01		Bracket, Scale L	*	1	



Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
3-1	82-744-216-01		Frame, L	*	1	
3-2	82-744-673-01		Band capacitor	*	2	*
3-3	82-743-274-01		Capacitor ground bar	AX-7700	1	
3-4	82-744-315-01		Clamper, Cord bracket	*	1 1	
3-5	82-744-675-01		Clamper cord	*	1	
3-6	82-744-317-01		Band, Cord wire	*	1	
3-7	82-744-672-01		Terminal board	*	2	
3-8	82-744-222-01		Frame R	*	1	
3-9	82-744-202-01		Wheel, Drum	*	1	
3-10	82-744-318-01		Spring, Dial	*	1	
3-11	82-744-319-01		Washer, PCB	*	4	
3-12	82-744-320-01		Holder, DIN jack, Terminal board	*	1	
3-13	82-744-321-01		Cushion, PCB	*	2	
3-14a	82-744-325-01		Chassis, Rear (H model only)	*	1	
3-14b	82-744-326-01		Chassis, Rear (C model only)	*	1	1
3-15	82-744-670-01		Screw, Terminal board	*	1	
3-16a	82-743-670-01		AC power cord (E model only)	AX-7700	1	
3-16b	82-743-685-01		AC power cord (K model only)	AX-7700	1	
3-17	82-743-653-01		Pin jack ass'y	AX-7700	L	
3-18a	82-744-331-01		Label, Rating (E model only)	*	1	
3-18b	82-743-332-01		Label, Rating (K model only)	AX-7700	1	
3-19	82-744-232-01		Band, Bar antenna	*	1	
3-20	82-744-333-01		Bracket, IC	*	1	
3-21	82-744-219-01		Heat sink M	*	1	
3-22	82-744-678-01		Tap stud	*	6	
3-23	82-744-626-01		Clip, Fuse	*	6	
3-24	82-744-334-01		Bracket, Bar antenna	*	1	
3-25	82-744-335-01		Dial cord	*	1	
3-26	82-744-337-01		Ground screw	*	1	
3-27	82-744-338-01		Screw, RH	*	1	
3-28	82-744-336-01		Washer, Plain	*	1	
3-29	82-744-674-01		Lug	*	1	1
3-30a	82-744-680-01		FM antenna coxial plug (E model only)	*	1	
3-30b	82-744-625-01		FM antenna coxial plug (K model only)	*	1	

#### ELECTRICAL MAIN PARTS LIST

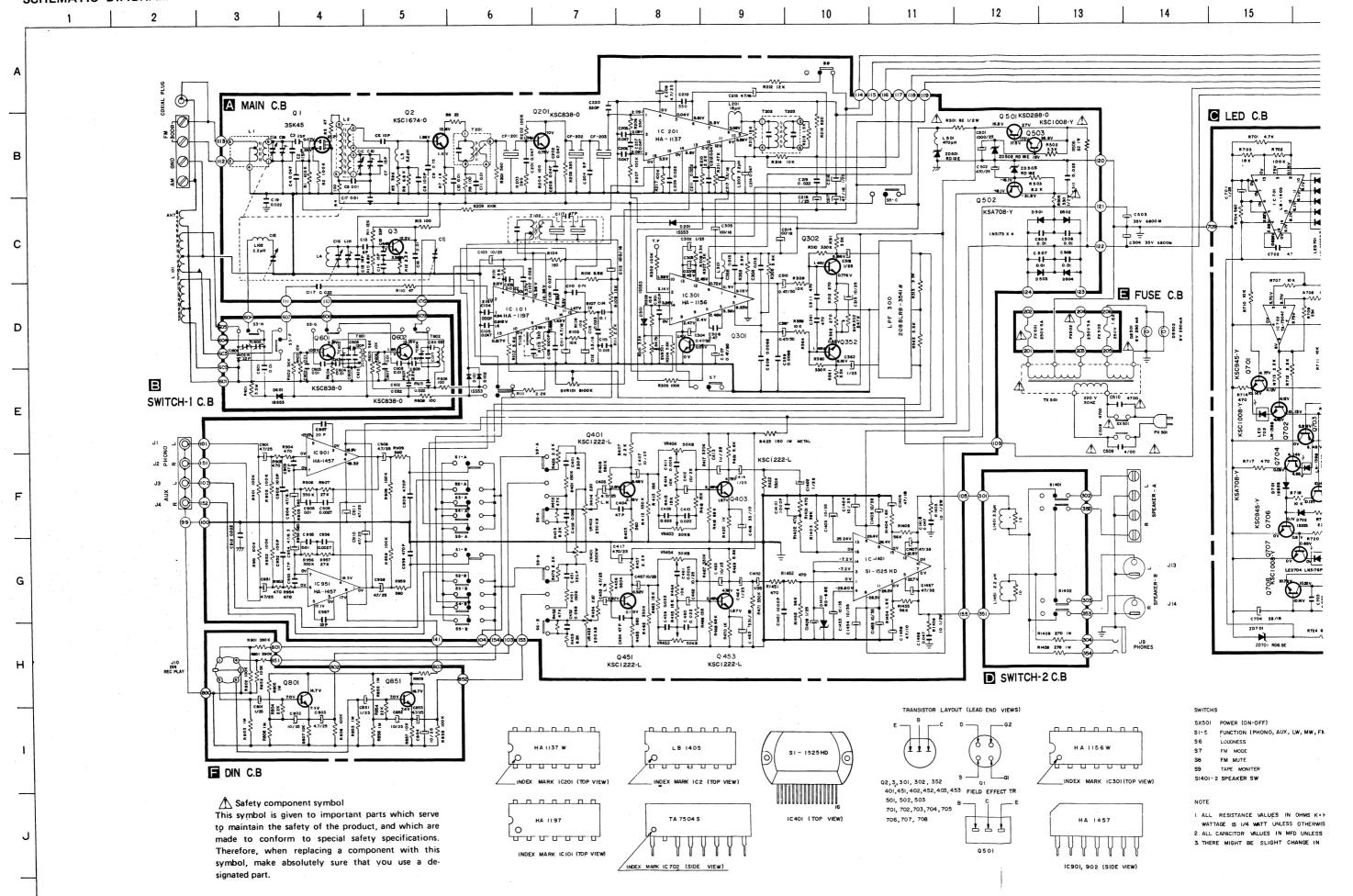
			:		The state of the s
Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
≪MAIN CIRC	UIT BOARD	SECTION≫	TC601,602,	82-743-681-01	Trimmer
	82-743-700-01	Main circuit board	603,604		
IC101	82-743-618-01	IC, HA-1197	T601	82-744-616-01	LW OSC coil
	82-743-617-01	IC, HA-1137W	T602	82-743-645-01	MW OSC coil
IC301	82-481-727-01	IC, HA-1156W			
C901,951	82-743-616-01	IC, HA-1457	≪ LED CIRC	UIT BOARD	SECTION ≫
IC1401	82-744-605-01	IC, SI-1525HD	PCB-C	82-744-631-01	LED circuit board
Q1	87-026-120-01	FET, 3SK46	IC701	82-027-261-01	IC, LB-1405
Q2,3	82-743-624-01	Transistor, KSC1674 (O)	IC702	82-743-615-01	IC, TA-7504S
Q201	82-743-626-01	Transistor, KSC838 (O)	Q701,706	82-743-627-01	Transistor, KSC945 (Y)
Q301,302,352	82-743-627-01	Transistor, KSC945 (Y)	Q702,707,	82-743-629-01	Transistor, KSC1008 (Y)
0401,402,451	82-743-625-01	Transistor, KSC1222 (U)	708		
452			Q703,705	82-743-623-01	Transistor, KSA733 (Y)
Q501	82-743-630-01	Transistor, KSD288 (O)	Q704	82-743-622-01	Transistor, KSA708 (Y)
Q502	82-743-622-01	Transistor, KSA708 (Y)	D701,702	82-743-633-01	Diode, 1SS53
Q503	82-743-629-01	Transistor, KSC1008 (Y)	LED701	87-027-544-01	Light emitting diode,
D101,102,201,	82-743-633-01	Diode, 1SS53			LN-05202P (SIGNAL)
301	02 /40 000 01	21000, 10000	LED702,703	82-743-638-01	Light emitting diode,
	82-744-606-01	Diode, 1N5173	CCD702,700	02-743-030-01	SL-139B (TUNING)
D501,502,503,	62-744-000-01	Diode, 1145175	1 ED704	97 027 542 04	
504	00 740 004 04	Zaman diada DD425	LED704	87-027-543-01	Light emitting diode,
ZD501	82-743-634-01	Zener diode, RD12E	1 50705	07 007 540 04	LN-317GP (TUNING)
ZD502,503	82-743-635-01	Zener diode, RD18E	LED705	87-027-542-01	Light emitting diode,
ZD1401	82-743-636-01	Zener diode, RD6.8E			LN-217RP (FM STEREO)
L1	82-743-641-01	FM antenna coil	ZD701	82-743-636-01	Zener diode RD-6.8E
L2	82-743-643-01	FM RF coil			< Resistors >
L3,202	82-743-691-01	Coil, 2.2µH	R722	82-743-605-01	680Ω 1W Metal film
L4	82-743-644-01	FM OSC coil	R724	82-743-602-01	680Ω 2W Metal film
L101	82-743-683-01	MW, LW bar antenna coil	11724	02-740-002-01	COOLS 244 INICIAI IIIII
L102	82-743-693-01	Coil, 2.2µH	<b>≪ SWITCH-2</b>	CIRCUIT BO	ARD SECTION >
L201	82-743-692-01	Coil, 18µH			
L301,501	82-743-690-01	Coil, 470µH	PCB-D	82-743-703-01	
LPF300	82-744-609-01	Low pass filter	\$1401,1402	82-743-620-01	Push switch (SPEAKER)
C1	82-744-604-01	VC	L1401,1451	82-743-694-01	Coil, 2.2µH
CF201,202,203		FM ceramic filter	< =110= 01=		
T102	82-743-660-01	AM ceramic filter		CUIT BOARD	
1102	02 740 000 01	transformer	♠ PCB-E	82-743-704-01	
T100	82-743-649-01	AM IFT	<b>⚠</b> FX501,502	82-744-622-01	-
T103			Δ.	82-744-629-01	The state of the s
T201	82-743-646-01	FM IFT	<b>∴</b> FX503	82-743-678-01	Fuse, "T" 1.6A
T202	82-494-782-01	FM IFT		82-743-715-01	Fuse label, "T" 1.6A
T203	82-494-783-01	FM IFT	$\triangle$	82-744-626-01	Fuse clamp
VR401	82-743-609-01	Volume, 250kΩ-W			
		(BALANCE)	≪ DIN CIRC	CUIT BOARD	SECTION >>
VR402,452	82-744-602-01		PCB-F	82-743-705-01	DIN circuit board
		(VOLUME)	Q801,851	82-743-625-01	Transistor, KSC1222 (L)
VR403,404,	82-744-601-01	Volume, 50kΩ-B	J10	82-743-673-01	DIN jack (TAPE REC/PLAY)
453,454		(BASS, TREBLE)			,,
SVR101	87-021-363-01	Semi-fixed resistor, 100kΩ-B	<b>≪ MISCELL</b>	ANEOUS≫	
SVR301	82-744-628-01	Semi-fixed resistor, 4.7kΩ-B	↑TX501	82-744-617-01	Power transformer
SVR302	87-021-367-01	Semi-fixed resistor, 47kΩ-B	Σ: Δι χου ι	02-744-017-01	(E model only)
\$1,2,3,4,5,6,	82-744-618-01	Push switch (PHONO, AUX,	<b>∱</b> TX501	82-744-623-01	Power transformer
7,8,9		LW, MW, FM, LOUDNESS,	₩, ×201	02-744-025-01	(K model only)
. / = / =		MODE, MUTING, TAPE	A CVEO	00 744 640 04	•
		MONITOR	<u></u> \$×501	82-744-619-01	Power switch
	1		4	82-743-670-01	AC power cord
	_ :	/ Decistors			(E model only)
	00 740 000 00	< Resistors >	$\Delta \! \! \! \Delta$	00 740 005 04	
	82-743-606-01	82Ω ½W Fuse resistor	$\Delta\!\Delta$	82-743-685-01	AC power cord
	82-743-607-01	82Ω ½W Fuse resistor 330Ω ½W Fuse resistor	_		AC power cord (K model only)
		82Ω ½W Fuse resistor	<b>△</b> `\ J1,2,3,4	82-743-685-01 82-743-653-01	AC power cord (K model only) Pin jack ass'y
	82-743-607-01 82-744-612-01	82Ω ½W Fuse resistor $330Ω$ ½W Fuse resistor $150Ω$ ½W Metal film	_		AC power cord (K model only) Pin jack ass'y (PHONO, AUX)
∑R505 R423	82-743-607-01 82-744-612-01	82Ω ½W Fuse resistor 330Ω ½W Fuse resistor	_		AC power cord (K model only) Pin jack ass'y
∑R505 R423	82-743-607-01 82-744-612-01	82Ω ½W Fuse resistor 330Ω ½W Fuse resistor 150Ω ½W Metal film ARD SECTION ≫	J1,2,3,4	82-743-653-01	AC power cord (K model only) Pin jack ass'y (PHONO, AUX) Jack 6.3¢ (PHONES)
R505 R423 ≪ SWITCH-1 PCB-B	82-743-607-01 82-744-612-01 CIRCUIT BO	82Ω ½W Fuse resistor 330Ω ½W Fuse resistor 150Ω ½W Metal film ARD SECTION ≫	J1,2,3,4 J9	82-743-653-01 82-743-652-01	AC power cord (K model only) Pin jack ass'y (PHONO, AUX) Jack 6.3¢ (PHONES)
≪ SWITCH-1	82-743-607-01 82-744-612-01 CIRCUIT BO 82-743-701-01	82Ω ½W Fuse resistor 330Ω ½W Fuse resistor 150Ω ½W Metal film  ARD SECTION ≫   Switch-1 circuit board	J1,2,3,4 J9 J13,14	82-743-653-01 82-743-652-01 82-743-672-01	AC power cord (K model only) Pin jack ass'y (PHONO, AUX) Jack 6.3¢ (PHONES) DIN speaker jack Pilot lamp, 8V, 250mA

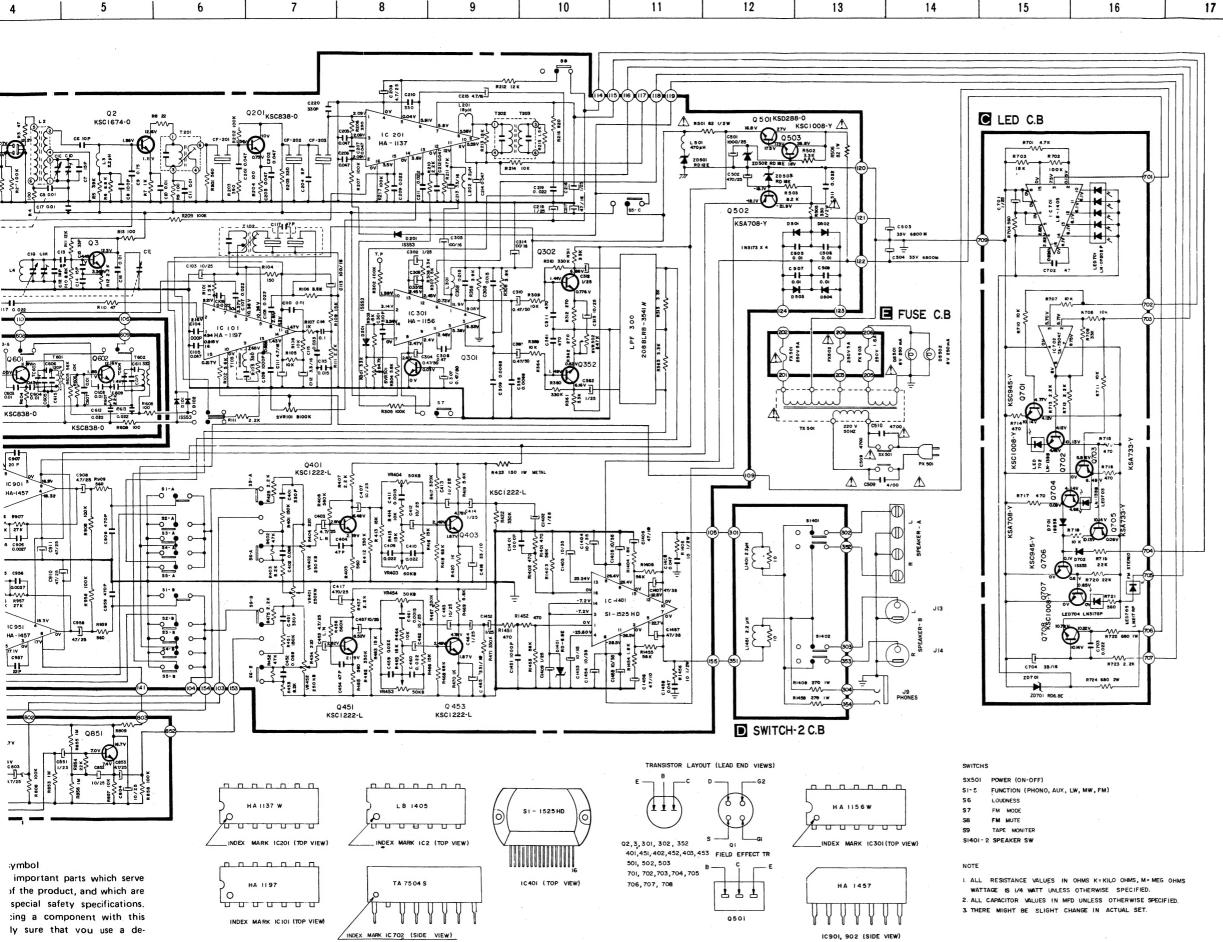
Symbol No.	Part No.	Description			
	82-743-710-01	Speaker terminal			
	82-744-680-01	FM antenna coxial plug			
		(E model only)			
	82-744-625-01	FM antenna coxial plug			
		(K model only)			
		< Capacitors >			
C503,504	82-744-603-01	6800pF 35V Electrolytic			
C509,510	82-743-712-01	4700pF Ceramic			
70000,010		(E model only)			
C509,510	82-743-719-01	4700pF Ceramic			
170000,010		(K model only)			

This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications. Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

#### ACCESSORIES/PACKAGE

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
1	82-744-853-01		Printed indiv., Packing	*	1	
2	82-744-855-01		Cushion L, Printed indiv.		1	
3	82-744-856-01		Cushion R, Printed indiv.	*	1	
4	82-744-857-01		Poly-vinyl sack (for case)	*	1	
5	87-056-009-41		Distributors list	1	1	
6	87-056-008-11		Label, AC power cord (K model only)		1	
7	82-744-903-01		Instructions booklet (E model only)	*	1	
8	87-744-902-01		Instruction booklet (K model only)	*	1	





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HINAH

R702 A MAIN C.B 101401 E E 20503 0 502 0 502 FUSE C.B 250V 5A "I" TO MAIN PCB ORG R-ch OUTPUT
RED MAIN B+ (YEL) ( 123) 250V 5A"T" RED MAIN B+

(122) GRN MAIN GROUND TO CONDENCOR 250V 1.64 TH BLK MAIN B-R202 | R205 | C201 | R215 | R216 | R217 | R216 | R217 | R216 | R217 | R216 | R217 | R218 | R218 | R219 | R2 (BRN) (ORG) 10 T TO CHASSIS ( (WHT) (B) (RED) (RED) ■SWITCH-2C.B 9 SPEAKER (RED) (GRY) Lch 9050 | TO MAIN PCB #126 ORG R | 13521 | 1301) | TO MAIN PCB #125 BLU L | (ORG) O Q 9 TX-501 (ORG) (GRY) GROUND (BLK) JI3,14 SPEAKER(DIN) LPF300 0501 PHONES R 506 2501 2082 2082 2503 2503 (YEL) 604 AC 220 V(E) AC 240 V(K) C459 C466 R416 (WHT) 0.0047 (BLU): S9 9 S8 VR402 VR 452 VOLUME VR403 W VR453 BASS oR 44 (ORG)

AX-7300E,K

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